

**DISTRIBUTION  
UNIT MANAGERS' MEETING  
200 AREA GROUNDWATER AND SOURCE OPERABLE UNITS**

Bryan Foley.....	DOE-RL RP (A5-13)
Marvin Furman .....	DOE-RL RP (A5-13)
Ellen Mattlin .....	DOE-RL EAP (A2-15)
Mike Thompson.....	DOE-RL RP (A5-13)
Arlene Tortoso .....	DOE-RL RP (H0-12)
Lisa Treichel.....	DOE-HQ (EM-442)
Dennis Faulk .....	EPA (B5-01)
Brenda Becker-Khaleel .....	WDOE (Kennewick) (B5-18)
Zelma Maine .....	WDOE (Kennewick) (B5-18)
Matt Mills .....	WDOE (Kennewick) (B5-18)
John Price .....	WDOE (Kennewick) (B5-18)
Tina Masterson-Heggen.....	WDOE (Kennewick) (B5-18)
Greg Mitchem .....	BHI (H0-19)
Chloe Brewster.....	BHI (H0-19)
Garrett Day .....	BHI (H0-19)
Bruce Ford .....	BHI (H0-19)
Lynn Curry.....	BHI (H0-19)
Joan Woolard .....	BHI (H0-02)
Tim Lee .....	CHI (H9-02)
Virginia Rohay.....	CHI (H0-19)
L. Craig Swanson.....	CHI (H9-02)
Mary Todd.....	CHI (H9-03)
Curtis Wittreich.....	CHI (H9-03)
Stuart Luttrell.....	PNNL (K6-96)
Mark Sweeney .....	PNNL (K6-81)
Administrative Record (2).....	BHI (H0-09)

Please inform Susan Roach – BHI (372-9377)  
of deletions or additions to the distribution list.

**RECEIVED**  
APR 11 2001  
**EDMC**

Meeting Minutes Transmittal/Approval  
Unit Managers' Meeting  
200 Area Groundwater and Source Operable Units  
3350 George Washington Way, Richland, Washington  
September 2000

088069


APPROVAL:

  
Bryan Foley, 200 Area Unit Manager, DOE/RL (A5-13)

Date

2/26/01

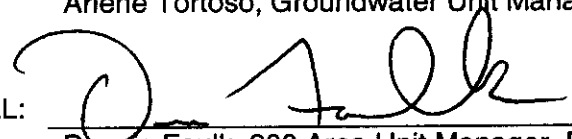
APPROVAL:

  
Arlene Tortoso, Groundwater Unit Manager, DOE/RL (H0-12)

Date

2/26/01

APPROVAL:

  
Dennis Faulk, 200 Area Unit Manager, EPA (B5-01)

Date

3-01-01

APPROVAL:

  
John Price, 200 Area Unit Manager, Ecology (B5-18)

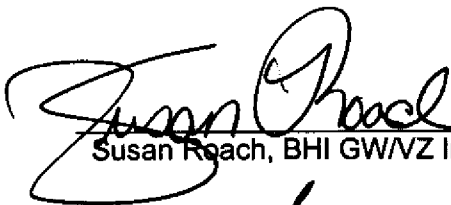
Date

3-21-01

Meeting minutes are attached. Minutes are comprised of the following:

Attachment 1	--	Agenda
Attachment 2	--	Attendance Record
Attachment 3	--	200 Area Current Action Log
Attachment 4	--	200 Area UMM Minutes – September 2000
Attachment 5	--	Z Crib TRU Small Diameter Logging
Attachment 6	--	Federal Facility Agreement and Consent Order Change Control Form
Attachment 7	--	200 Area R/A Project, FY01 (01-03)

Prepared by:

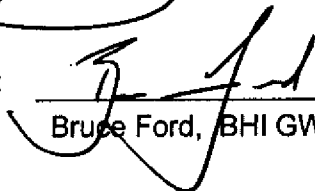


Susan Roach, BHI GW/VZ Integration Project (H0-19)

Date

3/28/01

Concurrence by:



Bruce Ford, BHI GW/VZ Integration Project (H0-19)

Date

3/23/01

088069

**UNIT MANAGERS' MEETING AGENDA**  
3350 George Washington Way, Conference Room 1A-14  
September 28, 2000

**9:00 – 11:00 a.m. 200 Area**

**General (20 minutes)**

- Outstanding Action Items (attached)
- Passive neutron geophysical tool demonstration at Borehole 299-W18-159 (216-Z-1A) Drain Tile/Field and Borehole 299-W18-179 (216-Z-12 Crib) in mid-September
- Update of five-year review

**200-CW-1 Gable/B Pond and Ditches Cooling Water OU (10 minutes)**

- IDW Status

**200-TW-1 Scavenged and 200-TW-2 Tank Waste OUs (10 minutes)**

- Work Plan
  - Work Plan Public Review Need
  - Nez Perce Comments
- Draft TPA Change Package

**200-PW-2 Uranium-Rich Process Waste OU (10 minutes)**

- Work Plan and DQO Schedule
  - Status Ecology Review of DQO Report
  - Draft A Work Plan submittal 12/29/00; Regulator Review 1/01 – 1/31/01

**200 Area Remedial Action Project (15 minutes)**

- FY 2001 DWP Work Scope and Schedule
- M-13-26 and M-13-00L (200-PW-1 and 200-LW-1) TPA Change Package
- Schedule Ecology Site Tour

[illegible]

**200 Area Unit Managers' Meeting  
OPEN ACTION ITEMS & TRACKING**

1	Ecology Approval of 200-CW-1 Work Plan, Rev. 0	John Price, Ecology	Bryan Foley, RL	8/24/00				
2	Submittal of Ecology Review Comments on the 200-CW-1 Remedial Investigation Report, Draft A	John Price, Ecology	Bryan Foley, RL	8/24/00				
3	Ecology Approval of 200-CS-1 Work Plan, Rev. 0	John Price, Ecology	Bryan Foley, RL	8/24/00				
4	Submittal of Ecology Review Comments on the 200-TW-1 and 200-TW-2 Work Plan, Draft A	John Price, Ecology	Bryan Foley, RL	8/24/00				
5	Submittal of Ecology Review Comments on the 200-PW-2 DQO Summary Report	John Price, Ecology	Bryan Foley, RL	8/24/00				
6	EPA Approval of 200-CW-5 Work Plan, Rev. 0	Doug Sherwood, EPA	Bryan Foley, RL	8/24/00				
7	Submittal of EPA Review Comments on the 200-TW-1 and 200-TW-2 Work Plan, Draft A	Doug Sherwood, EPA John Price, Ecology	Bryan Foley, RL	8/24/00				
8	Ecology Approval of 200 Area Implementation Plan, Rev. 0	John Price, Ecology	Bryan Foley, RL	8/24/00				
9	EPA Approval of 200 Area Implementation Plan, Rev. 0	Doug Sherwood, EPA	Bryan Foley, RL	8/24/00				

Attachment 3

**MEETING MINUTES**  
**200 AREA GROUNDWATER AND SOURCE OPERABLE UNITS**  
**UNIT MANAGERS' MEETING -- 200 AREA**  
**September 28, 2000**

**Agenda:** See Attachment #1

**Attendees:** See Attachment #2

**Topics of Discussion from Agenda:**

1. General:

- Outstanding action items – The action item list was reviewed and adjusted due dates assigned as agreed to by appropriate parties (see attached).
- Passive neutron geophysical tool demonstration at Borehole 299-W18-159 (216-Z-1A Drain/Tile Field) and Borehole 299-W18-179 (216-Z-12 Crib) in mid-September – Bryan Foley, U.S. Department of Energy, Richland Operations Office (RL) noted to Roy Bauer, CH2M HILL Hanford, Inc. (CHI) after the meeting that the agenda incorrectly listed the boreholes. They should be 299-W18-149 (not -159) and 299-W18-167 (not -179). Roy Bauer distributed the output log (Z-Crib TRU Small Diameter Logging) and summarized the findings of the test. A neutron signal was found. The proof of principle test was done. The results indicate that Am-241 exceeds 100 nCi/g. Passive neutron - fairly strong activity and tracks with Am-241 and BGO gross. BGO is a crystal of a different type. In the presence of TRU-contaminated soil, there is activity and is a good indication of passive neutron performance. Interaction of chemicals produces passive neutron, so detect TRU. Roy Bauer will get the results from the contractor on 9/29/00 and forward the report to RL, the Washington State Department of Ecology (Ecology) and the U.S. Environmental Protection Agency (EPA). Dennis Faulk (EPA) wanted to know the appropriate document to capture this information and thought it could be the 200-CW-5.
- Update of five-year review – Dennis Faulk reported he is currently working on the 200 Area section. The report will be out for review next Wednesday (10/4). It is due out for public comment 10/30. There are no issues on soil sites. There are significant issues with groundwater operable units (OUs). The basic recommendations will be requested to be completed by December 2001 and will include updating the (well?) network, including the strategy for updating, sitewide institutional control plan for CERCLA sites, and 200 Area specific National Priorities List (NPL).

2. 200-CW-1 Gable/B Pond and Ditches Cooling Water OU:

- IDW Status – John Price (Ecology) indicated that he has wording changes on the investigation-derived waste (IDW) report. He will provide his comments to Bryan Foley by 9/29. The plan has changed from dealing with this issue in two portions (38 drums, then 8 drums) to dealing with all 46 drums. All drums are currently on a truck at the Environmental Restoration Disposal Facility (ERDF).

3. 200-TW-1 Scavenged and 200-TW-2 Tank Waste OUs:

- **Work Plan Status** – Dennis Faulk (EPA) noted that Doug Sherwood (EPA) wants separate waste control plans and sampling and analysis plans. These should be extracted from the document. John Price (Ecology) wants a presentation showing the coordination with other groups (i.e., Vadose Zone, Office of River Protection), referred to in the work plan. Dennis Faulk (EPA) believes that no public review is needed, because there is no requirement for one. The Nez Perce comments on the work plan were received and reviewed. It was noted that coordination/integration needs to occur and Figure 3-9 needs to include the correct units.
- **Draft TPA Change Package** – Updated draft Tri-Party Agreement (TPA) change control forms were distributed. The new changes were reviewed. Dennis Faulk thought the laboratory turnaround times, as listed in the TPA (in the quality assurance section), should be reviewed. The change packages distributed separated 200-TW-1 from -2 and included a third form modifying various interim milestones and activities (i.e., 200-LW-1, -PW-1, -PW-4). Dennis Faulk advised that the public should be aware when priorities are changed and that a public review will be needed regarding analogous sites (as listed on the interim milestone TPA change control form). Dennis Faulk suggested replacing Milestone M-13-27 with M-13-00L through M-13-00P. Dennis Faulk will be the project manager for the "PW" OUs. Updates to the interim milestone TPA change control form will be made.

4. 200-PW-2 Uranium-Rich Process Waste OU:

- **Work Plan and DQO Schedule** – John Price (Ecology) reported he is still reviewing the data quality objective (DQO) report. Larry Hulstrom (CHI) noted that Milestone M-20-33 affects 200-PW-2 regarding the closure plan submittal date. Bryan Foley (RL) reported that this milestone is still in draft form and will be reviewed at a later date.

5. 200 Area Remedial Action Project:

- **FY 2001 Work Scope Status** – The FY 2001 detailed work plan scope and schedule was distributed and briefly reviewed. Milestones M-13-26 and M-13-00L were previously discussed (see 200-TW-1 and -2). There was no date set for the Ecology site tour. John Price will advise his availability.

No groundwater items were discussed.



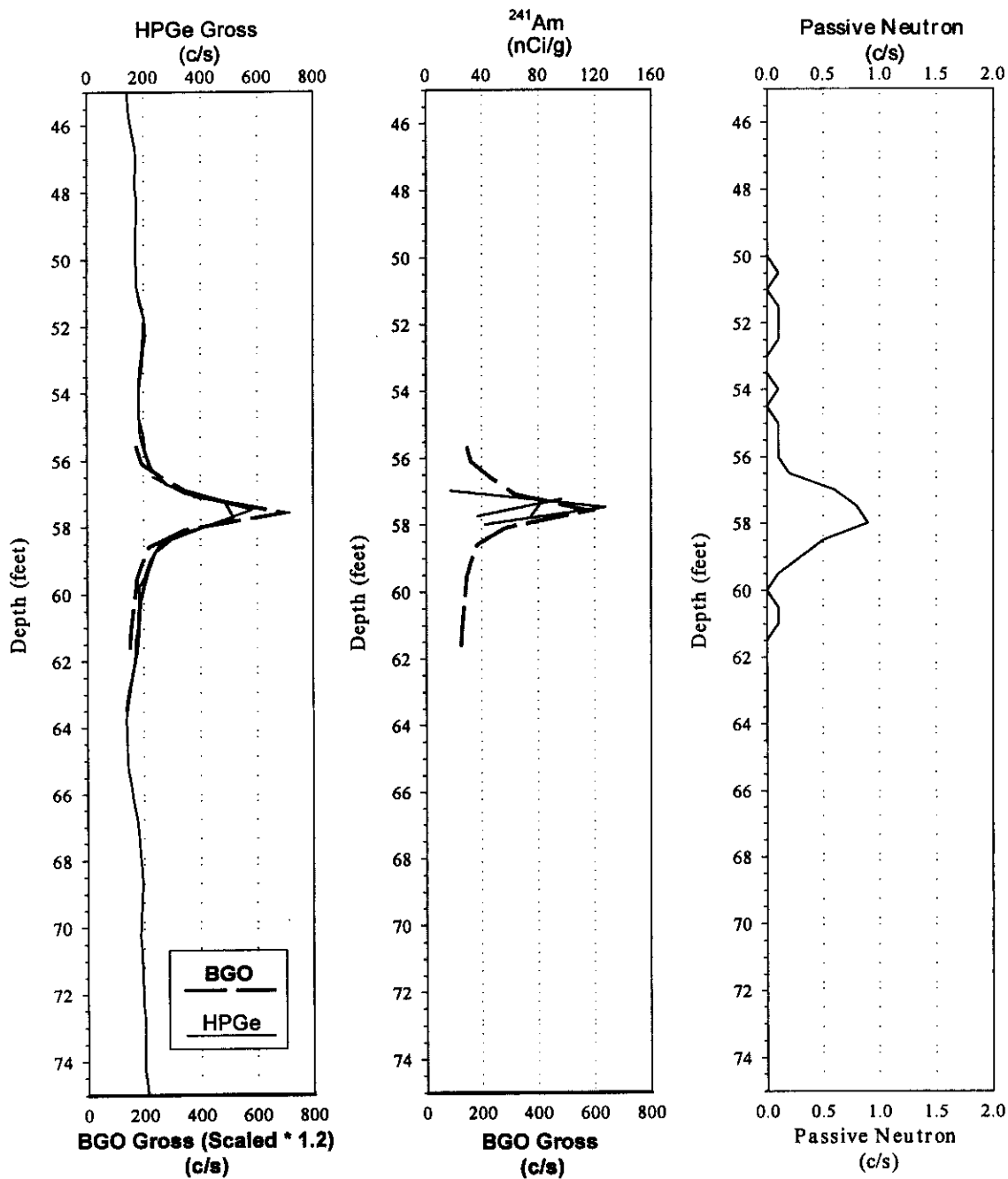
**Other Items:**

1. Dennis Faulk reported that long-term performance monitoring of the prototype barrier will be added to the five-year review and the recommendation will be to continue the long-term monitoring and also explore treatability tests for modified RCRA C. Dennis Faulk needs the timeframe for this.
2. Dennis Faulk reported that he will not review or approve DQOs, however, he will participate in the DQO meetings and provide comments.

# Z-Crib TRU Small Diameter Logging

Three Rivers Scientific / Pacific Northwest Geophysics

Borehole: 299-W18-167



ana00-BGO-02

Figure 2. Small diameter log data compared to 1998 HPGe data for borehole 299-W18-167.

<b>Change Number</b>  M-135-2000-xx	<b>Federal Facility Agreement and Consent Order Change Control Form</b> Do not use blue ink. Type or print using black ink. <div style="background-color: black; width: 100px; height: 15px; margin-top: 5px;"></div>	<b>Date</b> August <del>10</del> September 27, 2000 Draft
<b>Originator</b> Bryan Foley, DOE		<b>Phone</b> 376-7087
<b>Class of Change</b> <input type="checkbox"/> I – Signatories <input checked="" type="checkbox"/> II – Executive Manager <input type="checkbox"/> III – Project Manager		
<b>Change Title</b>  Interim Milestones for 200-TW-1 and 200-TW-2 Operable Unit Assessment Activities		
<b>Description/Justification of Change</b>  <p>The 200 Areas Remedial Investigation/Feasibility Study Implementation Plan (DOE/RL-98-28, Rev.0) established the framework for characterization of ER soil waste sites in the 200 Areas and grouped the waste sites into 23 process-based operable units. Based on the Implementation Plan, Tri-Party Agreement M-13 milestones were established (TPA change number M-13-97-01) for the submittal of Remedial Investigation/Feasibility Study (RI/FS) work plans for individual operable units. The 200-TW-1 and 200-TW-2 Operable Units (OU) were assigned to interim milestone M-13-23 and M-13-24, respectively (TPA change number M-13-99-01) which have been met by the submittal of the 200-TW-1 and 200-TW-2 Draft A Work Plan.</p> <p>As specified in Section 11.6 of the Action Plan to the Tri-Party Agreement, work plans must specify interim milestones <u>that identify completion dates for major tasks and deliverables specified in the work plans for the OUs.</u> The <u>200-TW-1 OU</u> work plan includes <u>a project schedules with target project milestones.</u> Based on these work plan schedules, the following interim milestones are added to the Tri-Party Agreement to implement the activities for the RI/FS process for these OUs:</p> <p><u>200-TW-1</u>  M-135-??23A: Complete Field Work through <u>Drilling and Sample Collection and Analysis</u> – September 30, 2001  M-135-??23B: Submit Draft A Remedial Investigation Report – October 30, 2002  M-135-??23C: Submit Draft A Feasibility Study <u>and Draft A Proposed Plan</u> – <del>Novem</del>September 30, 2003.</p> <p><u>200-TW-2</u>  M-13-24A: <del>Complete Field Work through Sample Collection and Analysis – September 30, 2001</del>  M-13-24B: <del>Submit Draft A Remedial Investigation Report – September 30, 2002</del>  M-13-24C: <del>Submit Draft A Feasibility Study – September 30, 2003.</del></p> <p>These interim milestone dates are consistent with the major milestone M-15-00C to complete the 200 Area operable unit RI/FS process by 2008.</p>		
<b>Impact of Change.</b>  Addition of interim milestones under <del>M-13-23</del> 15-00C. Addition of interim milestones under <del>M-13-24</del> . <div style="text-align: right; font-size: 48px; font-weight: bold; transform: rotate(-5deg); margin-top: 20px;">DRAFT</div>		
<b>Affected Documents</b>  The Hanford Federal Facility Agreement and Consent Order, as amended. 200-TW-1 Scavenged Waste Group Operable Unit and 200-TW-2 Tank Waste Group Operable Unit RI/FS Work Plan.		

<b>Change Number</b> M-135-2000-xx	<b>Federal Facility Agreement and Consent Order Change Control Form</b> Do not use blue ink. Type or print using black ink. <del>CONFIDENTIAL - For Internal Use Only - Do Not Distribute</del>	<b>Date</b> <del>August</del> 49 September 27, 2000 Draft												
<b>Approvals</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 45%; border-bottom: 1px solid black;">DOE</td> <td style="width: 10%; border-bottom: 1px solid black;">Date</td> <td style="width: 15%; text-align: center;">_____ Approved</td> <td style="width: 15%; text-align: center;">_____ Disapproved</td> </tr> <tr> <td style="border-bottom: 1px solid black;">EPA</td> <td style="border-bottom: 1px solid black;">Date</td> <td style="text-align: center;">_____ Approved</td> <td style="text-align: center;">_____ Disapproved</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Ecology</td> <td style="border-bottom: 1px solid black;">Date</td> <td style="text-align: center;">_____ Approved</td> <td style="text-align: center;">_____ Disapproved</td> </tr> </table>			DOE	Date	_____ Approved	_____ Disapproved	EPA	Date	_____ Approved	_____ Disapproved	Ecology	Date	_____ Approved	_____ Disapproved
DOE	Date	_____ Approved	_____ Disapproved											
EPA	Date	_____ Approved	_____ Disapproved											
Ecology	Date	_____ Approved	_____ Disapproved											

<b>Change Number</b> M-135-2000-xx	<b>Federal Facility Agreement and Consent Order Change Control Form</b> Do not use blue ink. Type or print using black ink. <div style="background-color: black; width: 100px; height: 15px; margin: 5px 0;"></div>	<b>Date</b> August <del>40</del> September 27, 2000 Draft
<b>Originator</b> Bryan Foley, DOE		<b>Phone</b> 376-7087
<b>Class of Change</b> <input type="checkbox"/> I – Signatories <input checked="" type="checkbox"/> II – Executive Manager <input type="checkbox"/> III – Project Manager		
<b>Change Title</b> Interim Milestones for <del>200-TW-1 and 200-TW-2</del> Operable Unit Assessment Activities		
<b>Description/Justification of Change</b> <p>The 200 Areas Remedial Investigation/Feasibility Study Implementation Plan (DOE/RL-98-28, Rev.0) established the framework for characterization of ER soil waste sites in the 200 Areas and grouped the waste sites into 23 process-based operable units. Based on the Implementation Plan, Tri-Party Agreement M-13 milestones were established (TPA change number M-13-97-01) for the submittal of Remedial Investigation/Feasibility Study (RI/FS) work plans for individual operable units. The <del>200-TW-1 and 200-TW-2</del> Operable Units (OU) <u>were was</u> assigned to interim milestones <del>M-13-23 and M-13-24, respectively</del> (TPA change number M-13-99-01) which <u>hasve</u> been met by the submittal of the 200-TW-1 and 200-TW-2 Draft A Work Plan.</p> <p>As specified in Section 11.6 of the Action Plan to the Tri-Party Agreement, work plans must specify interim milestones <u>that identify completion dates for major tasks and deliverables specified in the work plans for the OUs.</u> The <u>200-TW-2 OU</u> work plan includes project schedules with target project milestones. Based on these work plan schedules, the following interim milestones are added to the Tri-Party Agreement to implement the activities for the RI/FS process for <u>thiese</u> OUs:</p> <p><u>200-TW-1</u>  M-13-23A: <del>Complete Field Work through Sample Collection and Analysis – September 30, 2001</del>  M-13-23B: <del>Submit Draft A Remedial Investigation Report – October 30, 2002</del>  M-13-23C: <del>Submit Draft A Feasibility Study – September 30, 2003.</del></p> <p><u>200-TW-2</u>  M-135-24??A: Complete Field Work through <u>Drilling and</u> Sample Collection and Analysis – September 30, 2001  M-135-24??B: Submit Draft A Remedial Investigation Report – September 30, 2002  M-135-24??C: Submit Draft A Feasibility Study <u>and Draft A Proposed Plan/Proposed Permit Modification –</u>  <u>Nov</u>September 30, 2003.</p> <p>These interim milestone dates are consistent with the major milestone M-15-00C to complete the 200 Area operable unit RI/FS process by 2008.</p>		
<b>Impact of Change.</b> Addition of interim milestones under <del>M-13-23</del> 15-00C. <del>Addition of interim milestones under M-13-24.</del>		
<b>Affected Documents</b> The Hanford Federal Facility Agreement and Consent Order, as amended. 200-TW-1 Scavenged Waste Group Operable Unit and 200-TW-2 Tank Waste Group Operable Unit RI/FS Work Plan.		

DRAFT



<b>Change Number</b> M-13-2000-xx	<b>Federal Facility Agreement and Consent Order Change Control Form</b> Do not use blue ink. Type or print using black ink. Draft	<b>Date</b> September 14, 2000 Draft
<b>Originator</b> Bryan Foley, DOE		<b>Phone</b> 376-7087
<b>Class of Change</b> <input type="checkbox"/> I – Signatories <input checked="" type="checkbox"/> II – Executive Manager <input type="checkbox"/> III – Project Manager		
<b>Change Title</b> Modification of Interim Milestone M-13-26 and Establishment of a New Interim Milestone to Support 200 Area Operable Unit Work Plans		
<b>Description/Justification of Change</b> <p>As required by the 200 Area RI/FS Implementation Plan, the annual evaluation of 200 Area operable unit (OU) priorities has been completed. Based on this evaluation, the following modifications to the TPA milestone schedule for 200 Area Draft A work plans are:</p> <ul style="list-style-type: none"> <li>• Replace the Uranium-Rich Process Waste Group (200-PW-4 OU) Draft A work plan with the Plutonium/Organic-Rich Process Waste Group (200-PW-1 OU) Draft A work plan under Interim Milestone M-13-26 with no change to the milestone date.</li> <li>• Establish a new interim milestone for the 300 Area Chemical Laboratory Waste (200-LW-1 OU) Draft A work plan and use this work plan in combination with submittal of the 200-PW-1 work plan to satisfy major milestone M-13-00L with a modified milestone date of 06/30/02.</li> </ul> <p>Under the original prioritization of 200 Area OUs, the 200-PW-4 OU was assigned a high priority because it includes <i>Resource Conservation and Recovery Act of 1976 (RCRA)</i> waste sites. However, the 200-PW-1 Plutonium/Organic-Rich OU is the source of the carbon tetrachloride groundwater plume in the 200 West Area. The ongoing soil vapor extraction expedited response action in the 200 West Area and the 200-ZP-1 OU groundwater pump and treat interim action are associated with releases from the 200-PW-1 OU. As a result, from a technical standpoint the 200-PW-1 OU is considered a higher priority waste group than the 200-PW-4 OU, and accelerated investigation/evaluation of the 200-PW-1 OU will support the following technical and integration needs:</p> <ul style="list-style-type: none"> <li>• Resolution/refinement of the source and extent of existing carbon tetrachloride vadose and groundwater contaminant plumes.</li> <li>• Provides supporting data for refinement of existing site interim remedial actions and aligns source assessment schedules with 200-ZP-1 OU groundwater remedial action data needs and PITT test</li> <li>• Provides samples for science and technology studies on plutonium/ameridium geochemistry.</li> </ul> <p>The 200-LW-1 300 Area Chemical Laboratory Waste OU is the representative OU for the chemical waste group category. Under the recently-developed alternative baseline, the chemical waste category is the next highest priority waste group category in the original prioritization of waste groups. (The alternative baseline builds on efficiencies realized to date to streamline the assessment process for 200 Area waste site operable units by focusing on 12 of the 23 200 Area OUs prior to making remediation decisions. With the alternative baseline, not all OUs in the original prioritized list will require work plans.) Thus, it is appropriate to establish an interim milestone for submittal of the 200-LW-1 OU work plan.</p> <p>To implement this reprioritization, the existing TPA milestones will be changed as follows:</p> <ul style="list-style-type: none"> <li>• Interim Milestone M-13-26 (6/30/01) will be reassigned from the Uranium-Rich Process Group (200-PW-4) to the Plutonium/Organic-Rich Process Group (200-PW-1) with no change to the milestone date.</li> <li>• A new interim milestone (M-13-27) will be established to require submittal of the Draft A work plan for the 300 Area Chemical Laboratory Waste Group (200-LW-1) by 6/30/02. Submitting the work plan required by this new milestone would satisfy in full major milestone M-13-00L, which currently requires the submittal of two 200 Area work plans. However, it also requires modifying the date of the major milestone from 12/31/01 to 6/30/02.</li> </ul> <p>The slip of 6 months for completion of M-13-00L is consistent with the alternative baseline of completing 12 of 23 200 Area operable unit work plans. The first five (of twelve) operable unit Draft A work plans have been submitted and associated TPA milestones have been met. The sixth Draft A work plan will be submitted by 12/31/00. This TPA change defines the seventh and eighth Draft A work plans to be submitted in 2001 and 2002. The four remaining Draft A work plans will be defined in a subsequent TPA change package(s).</p>		

<b>Change Number</b>  M-13-2000-xx	<b>Federal Facility Agreement and Consent Order Change Control Form</b> Do not use blue ink. Type or print using black ink. Draft	<b>Date</b> September 14, 2000 Draft																		
<b>Interim Milestones Modified/Established by Approval of This Change Request</b>  Modifications to Existing Milestone  M-13-26 <del>Submit Uranium-Rich</del> <u>Plutonium/Organic-Rich</u> Process Waste Group Work Plan      6/30/01  New Milestone  <u>M-13-27      Submit 300 Area Chemical Laboratory Waste Group Work Plan      6/30/02</u>  <u>Submittal of this work plan along with submittal of the work plan required under the M-13-26 milestone will satisfy in full major milestone M-13-00L.</u>																				
<b>Impact of Change.</b>  Substitute the submittal of the 200-PW-1 Draft A Work Plan for the submittal of the 200-PW-4 Draft A Work Plan under Milestone M-13-26 (June 30, 2001).  Establish a new interim milestone (M-13-27) to require submittal of the Draft A work plan for the 200-LW-1 300 Area Chemical Laboratory Waste Group by 6/30/02 to satisfy major milestone M-13-00L in full.  These interim milestone changes are consistent with the major milestone M-15-00C to complete the 200 Area operable unit RI/FS process by 2008.																				
<b>Affected Documents</b>  The Hanford Federal Facility Agreement and Consent Order, as amended, and Hanford site internal planning and budget documents (e.g., Detailed Work Plans)																				
<b>Approvals</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 45%; border-bottom: 1px solid black; height: 20px;"></td> <td style="width: 10%; border-bottom: 1px solid black; height: 20px;"></td> <td style="width: 10%; text-align: center;">_____ Approved _____ Disapproved</td> </tr> <tr> <td>DOE</td> <td>Date</td> <td></td> </tr> <tr> <td style="border-bottom: 1px solid black; height: 20px;"></td> <td style="border-bottom: 1px solid black; height: 20px;"></td> <td style="text-align: center;">_____ Approved _____ Disapproved</td> </tr> <tr> <td>EPA</td> <td>Date</td> <td></td> </tr> <tr> <td style="border-bottom: 1px solid black; height: 20px;"></td> <td style="border-bottom: 1px solid black; height: 20px;"></td> <td style="text-align: center;">_____ Approved _____ Disapproved</td> </tr> <tr> <td>Ecology</td> <td>Date</td> <td></td> </tr> </table>					_____ Approved _____ Disapproved	DOE	Date				_____ Approved _____ Disapproved	EPA	Date				_____ Approved _____ Disapproved	Ecology	Date	
		_____ Approved _____ Disapproved																		
DOE	Date																			
		_____ Approved _____ Disapproved																		
EPA	Date																			
		_____ Approved _____ Disapproved																		
Ecology	Date																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	HOURS	Budgeted Cost	BURD	FY01												FY02						
								S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D			
2001 FISCAL YEAR 2001																										
BP 200-BP-1 PROTOTYPE BARRIER																										
BP07 200-BP-1 BARRIER MONITORING AND INSPECTION																										
Subtotal		251	02OCT00	28SEP01	180	57,799	70,000																			
BP001400	ANNUAL MONITORING AND INSPECTION (FY01)	227	02OCT00*	24AUG01	60	37,779	47,127																			
BP001402	ANNUAL M&I REPORT (FY01)	42	01AUG01*	28SEP01	120	20,020	22,873																			
R2 200-CW-1 GABLE MTN./B-POND & DITCHES																										
CW16 RI REPORT																										
Subtotal		42	02OCT00	30NOV00	120	7,150	7,150																			
R2000871	REGULATOR REVIEW DRAFT A RI REPORT	22	02OCT00*	31OCT00	0	0	0	REG REVIEW																		
R2000880	FINALIZE RI REPORT	20	01NOV00	30NOV00	120	7,150	7,150																			
CW17 FS/CP																										
Subtotal		249	02OCT00	26SEP01	4,205	343,601	343,601																			
R2000902	DEVELOP STRATEGY	40	02OCT00*	28NOV00	417	36,456	36,456																			
R2000904	SITE BACKGROUND / CONTAMINANT DISTR MODELS	60	02OCT00*	28DEC00	560	46,178	46,178																			
R2000908	ARARs / PRGs / RAOs	70	30OCT00	09FEB01	244	19,846	19,846																			
R2000906	IDENTIFY / SCREEN TECHNOLOGIES	20	13NOV00	12DEC00	72	5,902	5,902																			
R2000910	DEVELOP / SCREEN ALTERNATIVES	30	13DEC00	26JAN01	176	14,813	14,813																			
R2000912	DETAILED ANALYSIS	88	15JAN01	17MAY01	1,656	134,959	134,959																			
R2000918	CLOSURE PLAN	54	27FEB01	11MAY01	440	35,130	35,130																			
R2000914	COMPARATIVE ANALYSIS	10	18MAY01	01JUN01	80	6,983	6,983																			
R2000920	DOCUMENT PREP	42	31MAY01	30JUL01	224	16,090	16,090																			
R2000916	CONCLUSIONS	20	04JUN01	29JUN01	120	9,566	9,566																			
R2000930	ISSUE INTERNAL DRAFT FS/CP TO ERC	1	31JUL01	31JUL01	0	0	0																			
R2000940	ERC REVIEW INTERNAL DRAFT FS/CP	10	01AUG01	14AUG01	88	8,157	8,157																			
R2000945	REVISE & ISSUE DECISIONAL DRAFT FS/CP TO RL	20	15AUG01	12SEP01	128	9,521	9,521																			

Project Start	01OCT99		Early Bar	2A01	200 AREA R/A PROJECT FY2001 DWP (01 - 03) FY2001 ONLY	Sheet 1 of 8	PATTERNS REGULATOR REVIEW
Project Finish	11FEB05		Progress Bar				
Data Date	01OCT00		Critical Activity				
Run Date	28SEP00						
© Primavera Systems, Inc.							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	HOURS	Budgeted Cost	BURD	FY01												FY02					
								S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
CS13 BOREHOLES																									
Subtotal		208	04DEC00	28SEP01	1,882	276,432	320,037																		
R3000410	BOREHOLE PREJOB PLANNING	44	04DEC00*	06FEB01	88	6,874	6,874																		
R3000420	PROCURE DRILLING SERVICES	50	05DEC00*	15FEB01	28	1,988	1,988																		
R3000425	SUBCONTRACTOR SUBMITTALS/READINESS	29	16FEB01	29MAR01	0	0	0																		
R3000429	DRILLING SITE MOB	15	01MAR01	21MAR01	180	12,516	12,516																		
R3000440	BOREHOLE DRILLING - (1 S-DITCH)	22	30MAR01	30APR01	949	144,440	167,196																		
R3000450	BOREHOLE SAMPLING & COLLECTION	27	30MAR01	07MAY01	208	15,002	15,119																		
R3000470	BOREHOLE SAMPLE LABORATORY ANALYSIS	65	30MAR01	29JUN01	63	63,958	81,017																		
R3000442	DRILLING SITE DEMOB	15	06JUN01	26JUN01	60	4,782	4,953																		
R3000460	FIELD REPORTS (BH SUMMARY RPT)	50	20JUN01	29AUG01	290	23,816	26,747																		
R3000480	BOREHOLE DATA VALIDATION	22	02JUL01	01AUG01	16	3,056	3,627																		
R3000490	COMPLETE FIELD INVESTIGATION - (M-15-39A)	0		28SEP01*	0	0	0																		
CS14 GEOPHYSICAL LOGGING																									
Subtotal		153	19DEC00	27JUL01	28	32,321	40,940																		
R3000610	PROCURE GEOPHYSICAL LOGGING	36	19DEC00	09FEB01	18	1,278	1,278																		
R3000620	PERFORM GEOPHYSICAL LOGGING - NEW BHs	57	30MAR01	19JUN01	10	31,043	39,662																		
R3000630	SUBCONTRACT GEOPHYSICAL LOGGING REPORT	27	20JUN01	27JUL01	0	0	0																		
CS15 IDW																									
Subtotal		143	22FEB01	13SEP01	379	25,886	26,183																		
R3000710	IDW WASTE MAINTENANCE AND INSPECTION	138	22FEB01	06SEP01	170	11,488	11,488																		
R3000720	IDW DESIGNATION AND DISPOSAL	30	02AUG01	13SEP01	209	14,398	14,695																		
CS70 PROJECT SUPPORT																									
Subtotal		251	02OCT00	28SEP01	232	20,251	20,251																		
R3001850	SUPERVISION - PROJECT SUPPORT (FY01)	251*	02OCT00*	28SEP01	232	20,251	20,251																		

Project Start 01OCT99  
 Project Finish 11FEB05  
 Data Date 01OCT00  
 Run Date 28SEP00

2A01

200 AREA R/A PROJECT  
 FY2001 DWP (01 - 03)  
 FY2001 ONLY

Sheet 3 of 8

PATTERNS

REGULATOR REVIEW







Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	HOURS	Budgeted Cost	BURD	FY01												FY02			
								S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
TW23 BOREHOLES																							
Subtotal		241	16OCT00	28SEP01	9,298	1,508,978	1,753,912																
RE000410	BOREHOLE PREJOB PLANNING	90	16OCT00*	26FEB01	1,064	85,346	88,310																
RE000422	PROCURE DRILLING SERVICES	50	15NOV00	30JAN01	115	8,166	8,166																
RE000425	SUBCONTRACTOR SUBMITTALS/READINESS	29	31JAN01	13MAR01	0	0	0																
RE000429	DRIVE CASING SITE MOB	20	12FEB01	12MAR01	300	22,470	22,470																
RE000440	DRIVE CASINGS - 5 DC	40	14MAR01	08MAY01	3,012	503,884	588,340																
RE000442	BOREHOLE DRILLING - 2 BH	50	09MAY01	19JUL01	3,508	484,473	553,044																
RE000450	BOREHOLE SAMPLING & COLLECTION	55	09MAY01	26JUL01	935	67,789	68,128																
RE000470	BOREHOLE SAMPLE LABORATORY ANALYSIS	100	09MAY01	28SEP01	74	314,884	403,317																
RE000430	DRILLING SITE DEMOB	22	20JUL01	20AUG01	290	21,966	22,137																
TW24 GEOPHYSICAL LOGGING																							
Subtotal		148	06FEB01	05SEP01	159	103,508	129,654																
RE000610	PROCURE GEOPHYSICAL LOGGING	39	06FEB01	02APR01	97	6,888	6,888																
RE000620	PERFORM GEOPHYSICAL LOGGING - DRIVE CASINGS	50	14MAR01	22MAY01	44	25,965	32,383																
RE000625	PERFORM GEOPHYSICAL LOGGING - NEW BHs	60	09MAY01	02AUG01	18	70,655	90,383																
RE000630	SUBCONTRACT GEOPHYSICAL LOGGING REPORT	23	03AUG01	05SEP01	0	0	0																
TW25 IDW																							
Subtotal		100	09MAY01	28SEP01	173	11,672	11,672																
RE000710	IDW WASTE MAINTENANCE AND INSPECTION	100	09MAY01	28SEP01	173	11,672	11,672																
TW70 PROJECT SUPPORT																							
Subtotal		251	02OCT00	28SEP01	232	20,251	20,251																
RE001850	SUPERVISION - PROJECT SUPPORT (FY01)	251*	02OCT00*	28SEP01	232	20,251	20,251																
T1 200 AREA COMMON																							
BP40 ALT FINE-GRAINED BARRIER SOURCE STUDY																							
Subtotal		246	02OCT00	21SEP01	1,495	244,572	281,942																

Project Start 01OCT99  
Project Finish 11FEB05  
Data Date 01OCT00  
Run Date 28SEP00

Early Bar  
Progress Bar  
Critical Activity

2A01

200 AREA R/A PROJECT  
FY2001 DWP (01 - 03)  
FY2001 ONLY

Sheet 7 of 8

PATTERNS  
REGULATOR REVIEW

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	HOURS	Budgeted Cost	BURD	FY01												FY02			
								S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
T1001510	FINE-GRAINED SOIL SOURCE STUDY WORK PLAN	83	02OCT00*	31JAN01	329	24,921	24,921																
T1001520	FIELD RECONNAISSANCE	41	03JAN01	01MAR01	156	14,682	15,253																
T1001530	FIELD CHARACTERIZATION AND LAB TESTING	85	02MAR01	29JUN01	550	160,665	194,897																
T1001540	REPORT	79	01JUN01	21SEP01	460	44,304	46,871																
<b>WIDS WIDS SUPPORT</b>																							
Subtotal		251	02OCT00	28SEP01	120	10,475	10,475																
T1002100	WIDS SUPPORT (FY01)	251*	02OCT00*	28SEP01	120	10,475	10,475																

088080

Project Start 01OCT99  
Project Finish 11FEB05  
Data Date 01OCT00  
Run Date 28SEP00

Early Bar  
Progress Bar  
Critical Activity

2A01

200 AREA R/A PROJECT  
FY2001 DWP (01 - 03)  
FY2001 ONLY

Sheet 8 of 8

PATTERNS  
REGULATOR REVIEW